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TO

NAME

Examiner Shep Rose

U.S. Patent & Trademark Office
COMPANY/FIRM

NUMBER OF PAGES INCLUDING COVER: **3**

DATE **December 18, 2002**

FAX #

703-308-7924

FAX #

CONFIRM FAX: ☐ YES ☐ NO**FROM**

NAME

Thomas W. Barnes

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DIRECT PHONE #

221551US0X

OUR REFERENCE

Serial # 10/109,868

YOUR REFERENCE

MESSAGE

Per our discussion on December 18, 2002, we are providing you with the documents you requested herewith.

Thomas W. Barnes

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APPLICATION NUMBER	FILING DATE	SRP ART UNIT	FILE FEE REG'D	ATTY. DOCKET NO.	DRAWINGS	TOTAL CLAIMS	IND. CLAIMS
10/109,868	04/01/2002	3732	740	221551US0X	9	2	1

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CONFIRMATION NO. 3504

FILING RECEIPT



Date Mailed: 05/02/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9186. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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Assignment For Published Patent Application

Ushio Denki Kabushiki Kaisha, Tokyo, JAPAN;
 EVIS Inc, Shimosagata-gun, JAPAN;
 Toru NONAMI, Nagoya-shi, JAPAN;
 National Inst. of Advanced Ind. Science and Tech., Tokyo, JAPAN;

Domestic Priority data as claimed by applicant

Foreign Applications

JAPAN 2001-101967 03/30/2001

If Required, Foreign Filing License Granted 05/01/2002

Projected Publication Date: 10/03/2002

Non-Publication Request: No

Early Publication Request: No

Title

Discolored teeth bleaching system

Preliminary Class

433

PLEASE NOTE THAT THE SECOND APPLICANT'S NAME IS INCORRECT. IT SHOULD READ AS FOLLOWS:

2ND= KAZUTOMO TAKAMI, KANAGAWA, JAPAN

What Is Claimed Is:

1. A system for bleaching discolored teeth, which has a function irradiating light emitted from a light-emitting section to the surface of the teeth applied with a chemical agent comprising titanium dioxide and hydrogen peroxide, wherein a irradiation energy of wavelength 380 to 420 nm of the light emitted from the light-emitting section is at least 37 mW/cm^2 , and the ratio of irradiation energy of wavelength 380 to 420 nm with respect to the irradiation energy of wavelength 200 to 800 nm thereof is at least 36% at the light-emitting section.

2. The system for bleaching discolored teeth according to claim 1, wherein said system has a light-guide member, the tip of this light-guide member is the light-emitting section.